

0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk



PBK 5

14491.1 PBK 5/1/11,50-H GN



PRODUCT DESCRIPTION

TECHNICAL DATA

GENERAL DATA

Туре	PCB terminal
Pitch	11.5 mm
Colour	Green
Number of poles	1
Approvals	UL, cUL, VDE

RATINGS

Rated current	41 A
Rated voltage	1000 V
Rated cross section	6 mm²
Rated impulse voltage	3.5 kV
Overvoltage category	III
Contamination degree	3

DIMENSIONS

Length	24.15 mm
Width	9.25 mm
Height	19.6 mm
Width left	6.6 mm
Width right	2.65 mm
Drillhole diameter	2.1 mm

Connector type/principle Push-in Number of levels 1 Angle of PCB/wire connection 0"/180" (horizontal) Type of attachment to PCB Solder Electrical connection type to PCB Connecting contact Cross section single wire from 0.2 mm² Cross section stranded wire to 0.2 mm² Cross section stranded with ferrule from 0.2 mm² Cross section stranded with ferrule from 0.25 mm² Cross section stranded with ferrule from 0.25 mm² Rated wire cross section to (AWG) 8 Rated wire cross section from (AWG) 24 Stripping length 15 mm MATERIALS Housing material Polyamide 6.6 Flammability class UL94-V0 Operating temperature from -30 °C Operating temperature to 105 °C Terminal spring Stainless steel Solder lug Copper alloy		
Connector typelprinciple Connector typelprinciple Number of levels Angle of PCB/wire connection Type of attachment to PCB Electrical connection type to PCB Consection single wire from 0.2 mm² Cross section single wire from 0.2 mm² Cross section stranded wire from 0.2 mm² Cross section stranded with ferrule to 6 mm² Cross section stranded with ferrule from 0.25 mm² Cross section stranded with ferrule from 0.25 mm² Rated wire cross section from (AWG) 8 Polyamide 6.6 Flammability class Operating temperature from Operating temperature to 105 °C Coperating temperature to Operating temperature to Ut. 1059 Rated voltage Ut. 8 600 V Rated current Ut. 6 50 A Rated standard 6 DIN EN 60998	Diameter of the connection pin	0.8 mm
Connector type/principle Push-in Number of levels 1 Angle of PCB/wire connection 0°/180° (horizontal) Type of attachment to PCB Solder Electrical connection type to PCB Connecting contact Cross section single wire from 0.2 mm² Cross section single wire from 0.2 mm² Cross section stranded wire from 0.2 mm² Cross section stranded wire from 0.2 mm² Cross section stranded wire from 0.25 mm² Cross section stranded wire from 0.25 mm² Rated wire cross section from (AWG) 8 Rated wire cross section from (AWG) 24 Stripping length 15 mm MATERIALS Polyamide 6.6 Flammability class UL94-V0 Operating temperature from 0.95 °C Operating temperature from 105 °C Terminal spring Stainless steel Solder lug Copper alloy APPROVALS UL test standard UL 1059 Rated voltage UL 600 V Rated voltage CUL 600 V	Length of pin	4.6 mm
Number of levels 1 Angle of PCB/wire connection 0°/180° (horizontal) Type of attachment to PCB Solder Electrical connection type to PCB Connecting contact Cross section single wire from 0.2 mm² Cross section single wire from 0.2 mm² Cross section stranded wire from 0.2 mm² Cross section stranded wire from 0.2 mm² Cross section stranded wire to 6 mm² Cross section stranded wire to 0 6 mm² Cross section stranded wire to 0 2.5 mm² Rated wire cross section to (AWG) 8 Rated wire cross section from (AWG) 24 Stripping length 15 mm MATERIALS Housing material Polyamide 6.6 Flammability class UL94-V0 Operating temperature from 30°C Operating temperature from 30°C Operating temperature to 105°C Tominal spring Stainless stoel Solder lug Copper alloy APPROVALS UL test standard UL 1059 Rated voltage UL 600 V Rated current UL 35 A Cul Lest standard CSA 222 No.158 Rated current CUL 35 A VIDE test standard DIN EN 60998	CONNECTION DATA	
Angle of PCB/wire connection Type of attachment to PCB Solder Electrical connection type to PCB Cross section single wire from 0.2 mm² Cross section single wire from 0.2 mm² Cross section stranded wire from 0.2 mm² Cross section stranded wire from 0.2 mm² Cross section stranded wire from 0.25 mm² Rated wire cross section to (AWG) 8 Rated wire cross section from (AWG) 8 Rated wire cross section from (AWG) 8 Stripping length 15 mm MATERIALS Housing material Polyamide 6.6 Flammability class UL.94-V0 Operating temperature from 105 °C Terminal spring Solder lug Croperating temperature to UL.1059 Rated voltage UL Rated voltage UL Rated voltage UL Rated voltage CUL Rated current UL CSA 22.2 No.158 Rated current CUL SI AND SI MINE ROSSB SOLD SINE RO	Connector type/principle	Push-in
Electrical connection type to PCB Cross section single wire from 0.2 mm² Cross section single wire from 0.2 mm² Cross section stranded wire from 0.25 mm² Cross section stranded wire from 0.25 mm² Cross section stranded wire from 0.25 mm² Rated wire cross section (AWG) 8 Rated wire cross section from (AWG) 8 Stripping length 15 mm MATERIALS Housing material Polyamide 6.8 Flammability class UL94-V0 Operating temperature from 30 °C Operating temperature from 400 °C Terminal spring Solder lug Cropperating temperature to UL 1059 Rated vire quality Rated vire quality Rated vire quality Rated vire quality Rated vire cross section (AWG) 8 Rated vire cross section from (AWG) 8 Rated current UL 85 A Cull test standard CSA 22.2 No.158 Rated voltage cUL 85 A DIN EN 60998	Number of levels	1
Electrical connection type to PCB Connecting contact Cross section single wire from 0.2 mm² Cross section stranded wire from 0.2 mm² Cross section stranded with ferrule to 6 mm² Cross section stranded with ferrule from 0.25 mm² Cross section stranded with ferrule from 0.25 mm² Rated wire cross section to (AWG) 8 Rated wire cross section from (AWG) 24 Stripping length 15 mm MATERIALS Housing material Fianmability class UL94-V0 Operating temperature from -30 °C Operating temperature from 105 °C Terminal spring Stainless steel Solder lug Copper alloy APPROVALS UL 1059 Rated voltage UL 600 V Rated current UL 35 A cutt test standard CSA 22.2 No.158 Rated current cUL 35 A VD Lets standard DIN EN 60998	Angle of PCB/wire connection	0°/180° (horizontal)
Cross section single wire from 0.2 mm² Cross section stranded wire from 0.2 mm² Cross section stranded with ferrule to 6 mm² Cross section stranded with ferrule to 6 mm² Cross section stranded with ferrule from 0.25 mm² Rated wire cross section to (AWG) 8 Rated wire cross section from (AWG) 24 Stripping length 15 mm MATERIALS Housing material Polyamide 6.6 Fiammability class UL94-V0 Operating temperature from 30°C Operating temperature from 105°C Teminal spring Stainless steel Solder lug Copper alloy APPROVALS UL test standard UL 1059 Rated current UL 35 A CUL test standard CSA 22.2 No.158 Rated current cUL 35 A VDE test standard DIN EN 60998	Type of attachment to PCB	Solder
Cross section single wire to 0.2 mm² Cross section stranded wire from 0.2 mm² Cross section stranded wire from 6mm² Cross section stranded wire to 6mm² Cross section stranded wire to 6mm² Cross section stranded wire to 2.5 mm² Rated wire cross section to (AWG) 8 Rated wire cross section to (AWG) 24 Stripping length 15 mm MATERIALS Housing material Polyamide 6.6 Flammability class UL94-V0 Operating temperature from 30° C Operating temperature from 230° C Terminal spring Stainless steel Solder lug Copper alloy APPROVALS UL test standard UL 1059 Rated voltage UL 600 V Rated current UL 35 A Cult test standard Coltage cult Rated current cult 35 A VD test standard DIN EN 60998	Electrical connection type to PCB	Connecting contact
Cross section stranded with ferrule to 6 mm² Cross section stranded with ferrule to 6 mm² Cross section stranded with ferrule from 0.25 mm² Rated wire cross section to (AWG) 8 Rated wire cross section from (AWG) 24 Stripping length 15 mm MATERIALS Housing material Polyamide 6.6 Fiammability class UL94-V0 Operating temperature from 30 °C Operating temperature to 105 °C Terminal spring Stainless steel Solder lug Copper alloy APPROVALS UL test standard UL 1059 Rated current UL 600 V Rated current UL 600 V Rated current cUL 35 A Rated current cUL 35 A VDE test standard DIN EN 60998	Cross section single wire from	0.2 mm ²
Cross section stranded with ferrule to Cross section stranded with ferrule from Cross section stranded with ferrule from Rated wire cross section to (AWG) Rated wire cross section from (AWG) ATERIALS Housing material Polyamide 6.6 Flammability class UL94-V0 Operating temperature from Operating temperature to 105 °C Terminal spring Solder lug Copper alloy APPROVALS UL test standard UL 1059 Rated current UL CUL test standard CSA 22.2 No.158 Rated voltage CUL Rated current cUL S 35 A CUDE test standard DIN EN 60998	Cross section single wire to	10 mm²
Cross section stranded wire to 0.25 mm² Rated wire cross section to (AWG) 8 Rated wire cross section from (AWG) 24 Stripping length 15 mm MATERIALS Housing material Polyamide 6.6 Flammability class UL94-V0 Operating temperature from 30°C Operating temperature to 105°C Terminal spring Stainless steel Solder lug Copper alloy APPROVALS UL 1059 Rated voltage UL 600 V Rated current UL 65 A 22.2 No.158 Rated voltage cUL Rated current cUL Solder lug 55 A PUL 1059 Section stranded with ferrule from 600 V Rated voltage CUL Rated current cUL Solder lug 600 V Rated voltage CUL Rated current cUL Solder lug 600 V	Cross section stranded wire from	0.2 mm ²
Cross section stranded with ferrule from 0.25 mm² Rated wire cross section to (AWG) 8 Rated wire cross section from (AWG) 24 Stripping length 15 mm MATERIALS Housing material Polyamide 6.6 Flammability class UL94-V0 Operating temperature from .30 °C Operating temperature to 105 °C Terminal spring Stainless steel Solder lug Copper alloy APPROVALS UL test standard UL 1059 Rated current UL 600 V Rated current UL 65 A 22.2 No.158 Rated voltage cUL Rated voltage cUL Rated current cUL Solder lug 55 A UNDE test standard DIN EN 60998	Cross section stranded with ferrule to	6 mm ²
Rated wire cross section to (AWG) 8 Rated wire cross section from (AWG) 24 Stripping length 15 mm MATERIALS Housing material Polyamide 6.6 Flammability class UL94-V0 Operating temperature from	Cross section stranded wire to	6 mm ²
Rated wire cross section from (AWG) Stripping length MATERIALS Housing material Polyamide 6.6 Flammability class UL94-V0 Operating temperature from 30 °C Operating temperature to 105 °C Terminal spring Stainless steel Solder lug APPROVALS UL test standard UL 1059 Rated voltage UL Rated current UL SCA 22.2 No.158 Rated voltage cUL Rated current CUL SCA 25. Rated current CUL SCA 26. Rated Current Current CUL SCA 26. Rated Current Current Current Current Current Current Current Current Current Curr	Cross section stranded with ferrule from	0.25 mm ²
MATERIALS Housing material Polyamide 6.6 Flammability class UL94-V0 Operating temperature from 105 °C Terminal spring Stainless steel Solder lug Copper alloy APPROVALS UL test standard UL 1059 Rated voltage UL 600 V Rated voltage cUL 600 V Rated voltage cUL 600 V Rated voltage cUL 600 V Rated current CUL 35 A Rated voltage cUL 600 V Rated current CUL 35 A Rated current CUL 600 V	Rated wire cross section to (AWG)	8
MATERIALS Housing material Polyamide 6.6 Flammability class UL94-V0 Operating temperature from 30°C Terminal spring Stainless steel Solder lug Copper alloy APPROVALS UL 1059 Rated voltage UL 600 V Rated current UL 35 A CUL test standard COSA 22.2 No.158 Rated voltage cUL 600 V Rated voltage cUL 55 A Rated voltage cUL 55 A Rated current CUL 35 A DIN EN 60998	Rated wire cross section from (AWG)	24
Flammability class UL94-V0 Operating temperature from Operating temperature to Terminal spring Solder lug APPROVALS UL 1059 Rated voltage UL Rated voltage CUL Rated voltage CUL Rated voltage CUL Rated voltage CUL Rated current UL CUSA 22.2 No.158 Rated current CUL DIN EN 60998	Stripping length	15 mm
Flammability class Operating temperature from Operating temperature to 105 °C Terminal spring Stainless steel Copper alloy APPROVALS UL test standard UL 1059 Rated voltage UL Rated current UL CSA 22.2 No.158 Rated voltage cUL Rated voltage cUL Rated current cUL OSA 25.2 No.158 DIN EN 60998	MATERIALS	
Operating temperature from -30 °C Operating temperature to 105 °C Terminal spring Stainless steel Solder lug Copper alloy APPROVALS UL test standard UL 1059 Rated voltage UL 600 V Rated current UL 35 A CUL test standard CSA 22.2 No.158 Rated voltage CUL 600 V Rated current CUL 35 A DIN En 60998	Housing material	Polyamide 6.6
Operating temperature to Terminal spring Solder lug Copper alloy APPROVALS UL test standard UL 1059 Rated voltage UL 600 V Rated current UL cUL test standard CSA 22.2 No.158 Rated voltage cUL Rated voltage cUL DIN EN 60998	Flammability class	UL94-V0
Terminal springStainless steelSolder lugCopper alloyAPPROVALSUL test standardUL 1059Rated voltage UL600 VRated current UL35 AcUL test standardCSA 22.2 No.158Rated voltage cUL600 VRated current cUL35 AUL test standardUL 1059Rated current cUL100 VRated current cUL100 VRated current cUL100 N EN 60998	Operating temperature from	-30 °C
APPROVALS UL test standard Rated voltage UL Rated current UL CSA 22.2 No.158 Rated voltage cUL Rated current cUL Rated current cUL DIN EN 60998	Operating temperature to	105 °C
APPROVALS UL test standard UL 1059 Rated voltage UL 600 V Rated current UL 35 A CUL test standard CSA 22.2 No.158 Rated voltage cUL 600 V Rated current cUL 35 A DIN EN 60998	Terminal spring	Stainless steel
UL test standardUL 1059Rated voltage UL600 VRated current UL35 AcUL test standardCSA 22.2 No.158Rated voltage cUL600 VRated current cUL35 AVDE test standardDIN EN 60998	Solder lug	Copper alloy
Rated voltage UL Rated current UL CUL test standard CSA 22.2 No.158 Rated voltage cUL 600 V Rated current cUL 35 A DIN EN 60998	APPROVALS	
Rated current UL 35 A CUL test standard CSA 22.2 No.158 Rated voltage cUL 600 V Rated current cUL 35 A VDE test standard DIN EN 60998	UL test standard	UL 1059
cUL test standard CSA 22.2 No.158 Rated voltage cUL Rated current cUL 35 A VDE test standard DIN EN 60998	Rated voltage UL	600 V
Rated voltage cUL 600 V Rated current cUL 35 A VDE test standard DIN EN 60998	Rated current UL	35 A
Rated current cUL 35 A VDE test standard DIN EN 60998	cUL test standard	CSA 22.2 No.158
VDE test standard DIN EN 60998	Rated voltage cUL	600 V
	Rated current cUL	35 A
Rated voltage VDE 1000 V	VDE test standard	DIN EN 60998
	Rated voltage VDE	1000 V

Rated current VDE	41 A
Recommended wave solder duration max	4 s
Recommended wave solder duration min	3 s
Recommended wave soldering temperature	265 °C
Tariff code	85369010
Pack size	50
Weight	4.98 g
Connection cycles acc. to standard	10
Country of origin	QU
Current creepage resistance	CTI 600
Glow wire flammability index (GWFI)	GWFI 850
Glow wire ignition temperature (GWIT)	GWIT 775
GWFI after-glow time	30 s
GWIT exposure time	5 s
Insulation resistance	1*10^13 Ω x cm





